

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

**Claim 1 (Currently Amended):** A computer implemented method executable by computers and embedded in a computer readable media for code processing of document data comprising the steps of:

encoding, at a sending side, a document data written in a description language of an extensible text format to a code data containing logical structure of elements, based on a first code-translation table written in a description language of an extensible text format;

transmitting said code data from the sending side to a receiving side; and

decoding, at the receiving side, said code data to the document data based on a second code-translation table written in the description language of the extensible text format,

each of said first and second code-translation tables defining a code length and a code assigned to items of an element name, an variable-declaration data type of an element value for said element name, an attribute name designated in said element name; and an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, defining a code length and a code assigned to designate parentage structure between one element name and other element name, and defining link information about other code-translation tables corresponding to extended document structure utilized in the encoding and decoding of said document data.

**Claim 2 (Previously Presented):** A computer implemented method as claimed in claim 1, wherein the items defined in said second code-translation table used in said decoding step are a subset of the items defined in said first code-translation table used in said encoding step.

**Claim 3 (Previously Presented):** A computer implemented method as claimed in claim 1, wherein said encoding step includes encoding only the items that are defined in said first code-translation table or said other code-translation tables, and skipping, without encoding, other items that are not defined in said first code-translation table nor said other code-translation tables.

**Claim 4 (Previously Presented):** A computer implemented method as claimed in claim 2, wherein said encoding step includes adding data indicating lengths occupied by the respective items to the codes corresponding the respective items, and wherein said decoding step includes skipping, without decoding, the codes of the lengths corresponding to the items that are not defined in said second code-translation table nor said other code-translation tables.

**Claim 5 (Currently Amended):** A system for code processing of a document data comprising:

server for encoding a document data written in a description language of an extensible text format;

to a code data containing logical structure of elements, based on a first code-translation table written in a description language of an extensible text format, and for sending the code data; and first client for decoding the code data sent from said server to the document data based on a second code-translation table written in the description language of the extensible text format, each of said first and second code-translation tables, defining a code length and a code assigned to items of an element name, an variable-declaration data type of an element value for said element name, an attribute name designated in said element name and an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, defining a code length and a code assigned to designate parentage structure between one element name and other element name, and defining link information about other code-translation tables corresponding to extended document structure utilized in the encoding and decoding of said document data.

**Claim 6 (Previously Presented):** A system as claimed in claim 5, wherein the items defined in said second code-translation table used by said first client are a subset of the items defined in said first code-translation table used in said server.

**Claim 7 (Previously Presented):** A system as claimed in claim 5, wherein said server encodes only the items that are defined in said first code-translation table or said other code-translation tables, and skips, without encoding, other items that are not defined in said first code-translation table nor said other code-translation tables.

**Claim 8 (Previously Presented):** A system as claimed in claim 6, wherein said server adds data indicating lengths occupied by the respective items to the codes corresponding the respective items, and wherein said client skips, without decoding, the codes of the lengths corresponding to the items that are not defined in said second code-translation table nor said other code-translation tables.

**Claim 9 (Canceled)**

**Claim 10 (Canceled)**

**Claim 11 (Previously Presented):** A computer implemented method as claimed in claim 2, wherein said method further comprises a step of decoding, at the receiving side, said code data to the document data based on a third code-translation table written in the description language of the extensible text format, wherein said third code-translation table defines a code length and a code assigned to items of an element name, an variable-declaration data type of an element value for said element name, an attribute name designated in said element name, an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, defines a code length and a code assigned to designate parentage structure between one element name and other element name, and defines link information about other code-translation tables corresponding to extended document data, and wherein the items defined in said third code-translation table used in

said decoding step are a subset of the items defined in said first code-translation table used in said encoding step and are different from the items defined in said second code-translation table.

**Claim 12 (Previously Presented):** A system as claimed in claim 6, wherein said system further comprises second client for decoding the code data to the document data based on a third code-translation table written in the description language of the extensible text format, wherein said third code-translation table defines a code length and a code assigned to items of an element name, an variable-declaration data type of an element value for said element name, an attribute name designated in said element name, an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, defines a code length and a code assigned to designate parentage structure between one element name and other element name, and defines link information about other code-translation tables corresponding to extended document data, and wherein the items defined in said third code-translation table used by said second client are a subset of the items defined in said first code-translation table used by said server and are different from the items defined in said second code-translation table.

**Claim 13 (Currently Amended):** A system for code processing of a document data comprising:

server for sending a document data written in a description language of an extensible text format;

translation table server provided with a code-translation table written in a description language of an extensible text format;

encoding server for encoding the document data sent from said server to a code data containing logical structure of elements, based on the code-translation table obtained from said translation table server, and for sending the code data; and

client for decoding the code data sent from said encoding server to the document data based on the code-translation table obtained from said translation table server,

said code-translation table defining a code length and a code assigned to items of an element name, an variable-declaration data type of an element value for said element name, an attribute name designated in said element name and an variable-declaration data type of an attribute value for said attribute name, based on logical structure of elements, defining a code length and a code assigned to designate parentage structure between one element name and other element name, and defining link information about other code-translation tables corresponding to extended document structure utilized in the encoding and decoding of said document data.

**Claim 14 (Previously Presented):** A system as claimed in claim 13, wherein said encoding server encodes only the items that are defined in said code-translation table or said other code-translation tables, and skips, without decoding, other items that are not defined in said code-translation table nor said other code-translation tables.